Public Workshop and CEQA Scoping Meeting

June 8, 2006

Presented by
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#### **Purpose**

Inform the public about the project and receive public input/comments

#### Workshop/Meeting Outline

- Overview of TMDL Development Process
- Tecolote Creek Background
- Tecolote Creek TMDL Development
- CEQA Scoping Meeting
- Questions/Comments

### TMDL Development Process Overview

- What is a TMDL?
  - Total Maximum Daily Load
  - Plan to restore or protect water quality standards in threatened or impaired waters
  - TMDL = ΣWLA + ΣLA + MOS (Wet and Dry Weather)
- Why do a TMDL?
  - Clean Water Act Section 303(d)
  - Meet Basin Plan water quality standards
    - Protect beneficial use
    - Meet water quality objectives (WQOs)

### TMDL Development Process Overview

#### Technical TMDL Development

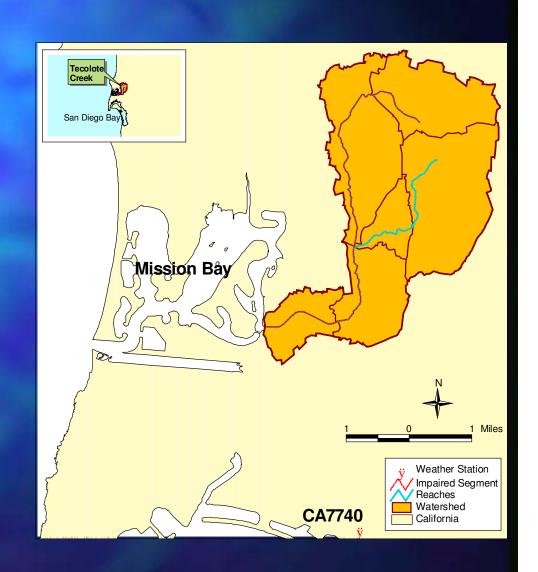
- > Problem Statement
- > Numeric Targets
- > Source Analysis
- Linkage Analysis
- > TMDL
- > Margin of Safety
- > Allocations

#### Implementation Plan

- > Incorporate WLAs (point sources) into appropriate permits
- > Compliance with LAs (nonpoint sources) through NPS Program
- Monitoring
- Resolution/Basin Plan Amendment

### Tecolote Creek Background

- San Diego Region
- Listed for bacteria on 303(d) list
- Southern San Diego
  - Mission Bay
- Approximately6 miles
- 85-90% Rainfall mid-Oct to early Apr



### Tecolote Creek Background

- Approximately10 square miles
- Land Use
  - > 40.9% Low Density Residential
  - > 17.4% Agriculture
  - > 16.0% Water
  - > 7.2% Horse Ranches
  - > 5.1% Open Spaces
  - 2.8% Commercial
  - 2.8% Parks/Recreation



### Tecolote Creek Background

- 303(d) List
  - > Metals
  - > Pesticides
  - > Bacteria
- WQOs
  - > Total Coliform
  - > Fecal Coliform
  - > Enterococcus
  - > E. Coli
- Beneficial Uses REC-1, REC-2 (& SHELL)



#### Problem Statement

Bacteria densities in the waters of Tecolote Creek have exceeded the numeric water quality objectives (WQOs) for total, fecal, and/or enterococci bacteria. These exceedances threaten and/or impair the recreational water contact (REC-1) and recreational non-water contact (REC-2) beneficial uses of Tecolote Creek and the REC-1, REC-2, and shellfish harvesting (SHELL) beneficial uses of Mission Bay (which is fed by Tecolote Creek).

#### Numeric Targets

- Selected to achieve water quality standards
  - Beneficial uses
  - Water quality objectives
- Numeric targets initially set to numeric water quality objectives

Beneficial Use	Indicator	Wet Weather Targets	Dry Weather Targets
SHELL	Total Coliform	230	70
REC-1	Total Coliform	10,000	1,000
	Fecal Coliform	400	200
	Enterococcus	61	33

- Units in Most Probable Number (MPN) bacteria colonies per 100 milliliters of water (MPN/100ml)
- Wet Weather Targets based on single sample maximum WQOs in Basin Plan
- Dry Weather Targets based on 30-day geometric mean WQOs in Basin Plan

#### Source Analysis

- Weather Conditions
  - Wet Weather (precipitation)
  - Dry Weather (nuisance flows)
- Land Use
- Point Sources
- Nonpoint Sources

#### Linkage Analysis

- Bacteria TMDL Project I Beaches and Creeks
- Weather Conditions
  - Wet Weather Analysis (LSPC/HSPF)
  - Dry Weather Analysis (Statistical)
- Data
  - > Stream Flow
  - Water Quality
  - Meteorological
  - > Land Characteristics

#### Linkage Analysis

- Intrinsic MOS (Conservative Assumptions)
- Seasonal Variation (Dry and Wet Weather)
- Existing Loading (Flow x Observed)
- TMDL (Flow x Numeric Targets)
  - Wasteload Allocations (Point Sources)
  - Load Allocations (Nonpoint Sources)
- Load Reductions
- Implementation Plan

#### Tentative Schedule

- Formation of Stakeholder Advisory Group
  - June 2006 (Today)
- Draft Technical Report
  - Late 2006 to Early 2007
- Draft Implementation Plan
  - Early 2007
- Regional Board Public Hearing
  - Mid to Late 2007

Questions? Comments?

#### Purpose of CEQA?

- Develop and maintain a high quality environment now and in the future
  - Identify potential environmental impacts
  - Avoid where possible
  - Mitigate where possible
- Ensure public disclosure & participation

#### When does CEQA apply?

- CEQA applies to "projects" proposed to be undertaken or requiring approval by State and local government agencies
- "Projects" are activities which have the potential to have a physical impact on the environment

#### Basin Planning is a CEQA Project

- Certified regulatory program exempt from requirements of CEQA for preparation of Initial Study and EIR or Negative Declaration [14 CCR §15251(g)]
- State Board CEQA implementation regulations require: technical report, initial draft of Basin Plan amendment, CEQA checklist [23 CCR §3776]

#### CEQA Scope for TMDL Project

- Identify potential environmental impacts
- Identify measures to mitigate these impacts
- Identify alternatives for achieving compliance with TMDL

#### CEQA Checklist:

- Preliminary evaluation of potential environmental impacts of the project
  - Aesthetics
  - > Air Quality
  - > Biological Resources
  - Hydrology and Water Quality
  - Noise
  - Utilities and Service Systems
- Statement of Overriding Considerations
- Review and submit comments (telephone, fax, e-mail, mail)

Questions? Comments?

#### Contact:

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